

20010920.qrp v02_n318.qrl.20010920

Date: Thu, 20 Sep 2001 19:03:08 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2318

QRP-L Digest 2318

Topics covered in this issue include:

- 1) [107264] Re: Long Wire Antennas
by "ss lyon" <sslyon@megalink.net>
- 2) [107265] re: vitamin Q capacitors
by Jeff Furman <jfurman@ocs.net>
- 3) [107266] Re: Slinky Dipole help needed
by David Gilson <kd3em@velocity.net>
- 4) [107267] Vitamin Q demystified !
by jacksonharbor@att.net
- 5) [107268] Re: QRP reading
by "James R. Duffey" <jamesd1@flash.net>
- 6) [107269] FT-817 as a transverter IF rig
by Duffer <hduff@ica.net>
- 7) [107270] [CONTEST] QRP Homebrewer Sprint Software Available
by Ken Newman <N2CQ@dandy.net>
- 8) [107271] Re: OT : For the Linux / Unix crowd
by G Brandon Hoyt <preacher102677@juno.com>
- 9) [107272] FS: Boat anchors
by "David & Jo Ann Lininger" <djlinin@positech.net>
- 10) [107273] Re: Slinky Dipole help needed
by "Adrian Weiss" <aweiss@usd.edu>
- 11) [107274] QST ARTICLE NEEDED
by "Tim A. King Jr." <iflyos@hotmail.com>
- 12) [107275] FS: QRP rigs and more
by Wayne <aa5jj@swbell.net>
- 13) [107276] More Thoughts on Slinky Dipole
by "Adrian Weiss" <aweiss@usd.edu>
- 14) [107277] Re: QRP reading
by Bill Meara <n2cqr@clix.pt>
- 15) [107278] OT: NIMDA virus MS Service Bulletin MS00-078 URL
by "Ed Tanton" <n4xy@att.net>
- 16) [107279] OT: Diac question
by "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>
- 17) [107280] RE: Diac question
by Nick Kennedy <nkennedy@tcainternet.com>
- 18) [107281] Re: OT: Diac question
by Pete Burbank <plburbank@kih.net>
- 19) [107282] 10 Meters is Hot

- by Tim ORourke <TORourke@KaiserFT.com>
- 20) [107283] NEQRP CW Net, 20 September 01, 8:00 PM EDT, 3.565MHz [NOTE TIME]
by Chuck Ludinsky <cjl@mitre.org>
- 21) [107284] Re: Diac question
by "Mike Yetsko" <myetsko@insydesw.com>
- 22) [107285] HMBRW RCVR help
by "Tom Dufresne" <tdufres@hotmail.com>
- 23) [107286] W2DU Bead BALUN - Toroids ?
by Michael Melland <w9wis@charter.net>
- 24) [107287] Re: QRP reading
by Ron KU7Y <msswmod@bigplanet.com>
- 25) [107288] Re: HMBRW RCVR help
by "Glen Leinweber" <leinwebe@mcmail.cis.McMaster.CA>
- 26) [107289] Re: Contest tips: Was 2001 ARRL CW DX results (Oct QST)
by "Jim" <sunwatt@starband.net>
- 27) [107290] wanted: C connectors
by "Craig A. Ferris" <cferris@aeronix.com>
- 28) [107291] Re: FS: QRP items
by Allan Taylor <taylor3@llnl.gov>
- 29) [107292] Re: HMBRW RCVR help
by "Leon Heller" <leon_heller@hotmail.com>
- 30) [107293] Re: Vitamin Q capacitors ??
by "Mark J. Dulcey" <mark@buttery.org>
- 31) [107294] Inverted-L
by ARDUJENSKI@aol.com
- 32) [107295] OT: Summary of cpu OS crashes... The answers
by "Ed Tanton" <n4xy@att.net>
- 33) [107296] PSK 31 question
by "Charles Mabbott" <crmabbott@mediaone.net>
- 34) [107297] [CONTEST] QRP Contest Calendar - Sep 22/30
by Ken Newman <N2CQ@dandy.net>
- 35) [107298] Re: PSK 31 question
by Max Baars <m.baars@maxiespages.com>
- 36) [107299] Re: PSK 31 question
by "ZOOM" <kandrparker@sympatico.ca>
- 37) [107300] HTX-202 problem
by KENNETH ROBERT MCGUIRE <at902@tcnet.org>
- 38) [107301] Re: HTX-202 problem
by "Kevin M." <adverseyaw@twmi.rr.com>
- 39) [107302] WTB/Trade HF2v
by "Anthony A. Luscre" <aluscre@neo.rr.com>

Date: Wed, 19 Sep 2001 19:16:33 -0400
From: "ss lyon" <sslyon@megalink.net>
To: <levent@netlabs.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [107264] Re: Long Wire Antennas
Message-ID: <00a601c14161\$1fb0d400\$c48798ce@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Check out W4RNL 's web site, esp the 88' doublets, Lazy H's, etc. You'll be glad you did.

72 / 73,

"Seab" Lyon - AA1MY
Bethel, ME 04217 USA
FN44nj . aa1my@arrl.net

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel, Me, 04217 U.S.A.
207-836-2576

----- Original Message -----

From: "Levent Sasmazel" <levent@netlabs.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, September 19, 2001 6:19 PM
Subject: Long Wire Antennas

> Hi All,
>
> I just changed my QTH now I do have enough estate to put a big wire
> antenna. Any practical suggestions (with some documentation pointers WEB
> etc.) for wire gain antennas will help.
>
> Thanks in advance.
>
> Levent - KC2CNY
>
>

Date: Wed, 19 Sep 2001 16:52:21 -0700 (PDT)
From: Jeff Furman <jfurman@ocs.net>
To: qrp-1@lehigh.edu
Subject: [107265] re: vitamin Q capacitors
Message-ID: <Pine.LNX.4.21.0109191642070.4170-100000@ocs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The last time I opened up one of these capacitors was at least 35 years ago; they looked like oil-filled paper dielectric, in a hermetic soldered can with glass seals. I don't know if that stuff is pcb or mineral oil.
73, Jeff AD6MX

--

Date: Wed, 19 Sep 2001 19:57:33 -0400
From: David Gilson <kd3em@velocity.net>
To: WM-Scace@wiu.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [107266] Re: Slinky Dipole help needed
Message-ID: <3BA930ED.E76FA5E7@velocity.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Wayne:

my question is it going to be located indoors or outside?. Once you get them stretch out to the length you want, you need to keep them from moving around because that will change the antenna characteristic like real fast. I have never use one as a dipole but use them as verticals. Now what I did was got (if I remember right) was 2 x 10' section of pvc pipe 1/2", 4 x 90 degree elbows, 3 x T adapters, and a couple of splices. I used one of the ten foot pipe for the base 2' x 2' square, you will need to cut the pipe into 6 one foot sections and 2 in two foot section. Now what I did was cut the other pipe in half two 5' section (I did this so I could take it down if needed). I got two 1/4" x 4' wood dowels for the supports. I drill the vertical with a 1/4" drill and every other hole was 90 deg to the other set of holes that I drill. This supports the Slinky and helps it from moving around. Now feeding it. the center of the coax goes to the slinky and the shield goes to ground or radials, how ever you want to hook it up. When I did mine on the base I did glue the three T section to keep them from moving around. Well I hope that this information was some help to you.

Dave
KD3EM
ARCI 8621
FISTS 8460
FPQRP 305

Dragon Singer wrote:

> Hi Gang,
> Wayne K9DI es Sequoia here. I purchased the requisite 2 metal
> slinkys from Wally-World today es my question is this, what other hardware
> do I need to turn these children's toys into an antenna? How do I go about
> constructing such a critter?
> Thanks fer Ur help in advance
>
> 72 es M00/00
>
> Respectfully and Sincerely Yours,
>
> Wayne M. Scace
>
> k9di@arrl.net
> LICQ# 315313
> FISTS# 4409
> QRP-L# 2313
> FPQRP-L# 217
> SOC# 452
> ARS No. 1,082

Date: Thu, 20 Sep 2001 00:13:22 +0000
From: jacksonharbor@att.net
To: qrp-l@lehigh.edu
Subject: [107267] Vitamin Q demystified !
Message-ID:
<20010920001322.KXRM28026.mtiwmhc25.worldnet.att.net@webmail.worldnet.att.net>

Thanks to all those who set me straight on the Vitamin Q capacitors.

They are apparently still made:

<<http://www.comsprague.com/196.htm>>

They aren't Tantalum, they are a line of high quality oil + paper capacitors, with metal bodies and glass seals. I assume the metal + glass forms a hermetic seal. The Vitamin Q refers to an inert, synthetic polymer impregnant (oil apparently isn't fancy enough ;) They are apparently highly prized by tube audio amp fans.

Mylar, polyester and polystyrene caps were suggested as lower priced and more available alternatives.

I actually have some of these caps, never realized that they were so fancy, I always thought the ends were some kind of plastic, but now I realize that they are indeed glass seals.

Best Regards,

Chuck Olson, WB9KZY
Jackson Harbor Press

Date: Wed, 19 Sep 2001 18:36:27 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-l@lehigh.edu>
Cc: <iflyos@hotmail.com>
Subject: [107268] Re: QRP reading
Message-ID: <B7CE962A.D913%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Lots of good QRP books aren't about QRP - specifically. You have gotten a lot of suggestions. I would like to add "HF Antennas for All Locations" by Moxon. All of the Antenna Compendiums are good too. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Wed, 19 Sep 2001 21:13:09 -0400
From: Duffer <hduff@ica.net>
To: qrp-l@lehigh.edu
Subject: [107269] FT-817 as a transverter IF rig
Message-ID: <3BA942A5.FA379722@ica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'd like to hear from anyone on the list who has used their FT-817 as an IF rig for transverters.

I'm thinking of putting one on the front of a 10 GHz transverter that I have on the go.

Comments, suggestions welcome.

Please cc your replies to me directly by e-mail.

Tnx de Hugh VA3T0

Date: Wed, 19 Sep 2001 21:03:51 -0400
From: Ken Newman <N2CQ@dandy.net>
To: epaqrp-1@Lehigh.EDU, QRP-L@Lehigh.EDU, njqrp@njqrp.org,
n9avg@amsat.org
Subject: [107270] [CONTEST] QRP Homebrewer Sprint Software Available
Message-ID: <3.0.6.32.20010919210351.0080e100@mail.dandy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi All,

Those considering operating in the QRP Homebrewer Sprint on
Sep 24 0000-0400z can use QRPDUPE to operate. The K7RE QRPDUPE
can be downloaded at <http://www.dancris.com/~bkassel/index.htm#top>
Also, QRP ARCI contests can be used on other software such as "NA"
and others, with minor editing on PSK QSOs.

Find the rules and info at:
<http://www.njqrp.org/data/qrp-homebrewers-sprint.html>
Hope to work you Sunday evening US time as WQ2RP!

72 de

Ken Newman - N2CQ
Woodbury, NJ
FM29jt
N2CQ@ARRL.NET

== QRP CONTEST CALENDAR ==
<http://www.njqrp.org/data/contesting.html>

Date: Wed, 19 Sep 2001 22:35:35 -0400
From: G Brandon Hoyt <preacher102677@juno.com>
To: w2agn@pobox.com
Cc: qrp-1@Lehigh.EDU
Subject: [107271] Re: OT : For the Linux / Unix crowd
Message-ID: <20010919.224748.-3964391.0.preacher102677@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Personally I wud rather hack into usr bin/laden and type the ubiquitous
rm -r *

On Wed, 19 Sep 2001 17:10:37 -0400 (EDT) "John L. Sielke"
<w2agn@pobox.com> writes:
> Duh! It's a joke, son, get it?.... execute bin/laden??
>
> Even an old fart like me got that one. Of course, I also run Linux.
>
> John w2AGN
>
> On 19-Sep-2001 Charles Mabbott wrote:
> > You bet, you can treat directory sturcture just like
> > files in this respect. chmod 766 is very similar
> >
> > drwx 7 sets owner with everything
> > 6 sets group rw
> > 6 sets world rw
> > Definatly cool stuff, but should not clutter up list
> >
> > -----Original Message-----
> > From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On
> > Behalf Of
> > Kelly J. Copley
> > Sent: Wednesday, September 19, 2001 1:04 PM
> > To: Low Power Amateur Radio Discussion
> > Subject: OT : For the Linux / Unix crowd
> >
> >
> > Just thought you Unix / Linux people would love this.
> >
> > chmod a + x /bin/laden
> >
> > this command gives everyone permission to execute /bin/laden
> >

LIC,
G. Brandon Hoyt --"Known far and Wide as the Great Pumpkin."
Photographer, Philosopher, Preacher, Pirate, Poet.
DE KG4GVL Clear.

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 19 Sep 2001 21:59:33 -0500
From: "David & Jo Ann Lininger" <djlinin@positech.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [107272] FS: Boat anchors
Message-ID: <3BA91545.5246.67086D@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Friends:

I am the sponsor of our newly-formed school amateur radio club, Skyline High Amateur Radio Club. Last year we were given some old equipment that had been sitting in an attic for approximately 20 years. We did some cleaning on it, and took it to a local hamfest, where we were able to sell enough to purchase a 2 meter fm rig, suitable for use by newly licensed students.

We still have three items left, and would like to either sell them or trade for useful equipment. Here's what we have, and the asking prices.

Heathkit DX-60B transmitter with HG-10 VFO, both with original manuals. We're asking \$125 for the DX-60B and \$35 for the VFO, or \$150 for both.

Knight T-60 transmitter with manual, asking \$65.

We have not attempted to operate any of this equipment, since I am still a no-code Technician. The VFO is missing one knob and the band switching is stiff. Appearance is about an 8 for all units.

Offers will be considered. Full price includes shipping in CONUS. Contact me at school (tss003@mail.connect.more.net) for more information or offers.

73

David, KBOZKE
kb0zke@arrl.net

Date: Thu, 20 Sep 2001 05:42:16 GMT
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-1@Lehigh.EDU
Subject: [107273] Re: Slinky Dipole help needed
Message-ID: <GJXZOL02.T7N@mail.usd.edu>

Hi Wayne:

I've used Slinkies both as a vertical and dipole.

My variety = "CE Original Slinky". Dia. = 2.75-inch; 89 turns; figures out to around 69ft of wire.

For an 80m vert., I stretched it from the ground up to the roof peak at around 27ft. With a large number of radials (27 x 66ft). After measurements for base impedance I added about 9.2uh of inductance at the base and it resonated at around 3540kHz. No doubt it did not perform as well as a full 66ft vertical, but as the saying goes, I worked out surprisingly well. The radial system undoubtedly was the key to this ~40% sized vert.

Now, the basic question is: which band/bands do you intend to use it on? From the vertical example, you can guestimate that an 80m dipole (fullsize around 135ft) can be shrunk down to around 54ft with a pair of these slinkies, depending on the amount of stretching out. When I put a dipole on 40m, I cut the Slinky in half at the 45-turn point for the center. My approach to construction was simple. The Slinky will not hold itself up. So, I used some 1/8" cord, tied a couple of knots in the center, slid the ends of the Slinky elements thru the knots. Then, another two lengths of cord were tied to the outer ends of the elements. These are for adjusting the length. The main cord hoists the Slinky and holds it somewhat straight with some sag. The end cords pull the elements out on the mounting cords which are looped over wherever the main cord is tied. I forget the dimensions that got me the lowest SWR. It seems that it was somewhere around 30ft total length. If you use 300ohm line, probably better.

The Slinky is a helically loaded antenna and the right combination of length and turns will get

you ballpark "in the band". If you are going to operate the high bands, I don't see the point of a slinky dipole unless 33ft for 20m is too long.

Have fun!

72, Ade

Date: Thu, 20 Sep 2001 00:02:09 -0400
From: "Tim A. King Jr." <iflyos@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [107274] QST ARTICLE NEEDED
Message-ID: <F176FRaqbC8wSA1XvpF00001d2e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Guys,

I am looking for the September 1997 issue of QST. Specifically, I need the "Hints & Kinks" section. I am willing to pay photocopying and mailing costs for this particular article. If someone has this and could scan it for me, that would be even better. I need to get it ASAP, any and all help is appreciated.

Thanks in advance

73,

Tim A. King, Jr.
KG4MQD
Safety Officer, Hobby Park R/C Aircraft Club
Winston Salem, NC
AMA# 578668

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Wed, 19 Sep 2001 22:17:52 -0500
From: Wayne <aa5jj@swbell.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [107275] FS: QRP rigs and more
Message-ID: <000e01c14182\$f3ec7b40\$d761fea9@Wayne>

MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

OHR-100 30 meter QRP rig Works and looks good 125.00 shipped
OHR-Explorer 40 meter QRP rig Works and looks good 125.00 shipped

VHF Engineering 2 meter AMP 10 watts in 140 out, works great, has been mobile
under the seat and kinda scratched up but has nothing to do with
the operations of it, 110.00 + shipping

Kenwood AT-230 antenna tuner looks and works great. 250.00 + shipping to
lower 48

Thanks for reading and 73

PS: If you have something of equal value to trade give it a try.

Contact aa5jj@swbell.net

Wayne Williams AA5JJ
713 N. (G) st.
Muskogee, OK 74403
FP-323 Fists 5830

Date: Wed, 19 Sep 2001 23:47:28 -0500 (CDT)
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-l@lehigh.edu
Subject: [107276] More Thoughts on Slinky Dipole
Message-ID: <Pine.SOL.4.03.10109192329480.13120-1000000@sunburst.usd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Wayne and all:

I recall an article on an indoor slinky dipole but can't
locate it at the moment. This approach treated the slinky
elements as loading coils. Given the space, the dipole had
inner sections of wire attached to the outer sections consisting
of slinkies. The feedline was connected as usual to the feedpoint
consisting of the inner ends of the two wires. The slinkies were

stretched out to the length available in the space. I don't recall dimensions of the slinkies (dia, turns etc)

The tuning process aimed at getting the system to more or less resonate in several bands. The process consisted of using a set of wires to short out turns on the inner ends of the slinky sections. For the lowest freq band, most of the slinkies were unshorted. The shorting wires with alligator clips at the ends were connected to the outer ends of the inner wire elements. The author experimentally determined how many turns should be shorted progressively as he moved from the lowest to highest bands. He marked the proper shorting turn on the slinky sections. Then, if I recall, after the first short point had been determined, he cut two shorting wires with alligator clips to reach that point. He moved up to the next band (like 40 to 20), and used a second set of shorting wires, the inner ends connected to the already connected first shorting wires, and the outer ends to the current shorting point for that band. And so on. As he moved from one band up to the next, more turns of the slinkies were shorted out. As a result, the amount of inductive loading decreased. Of course, if such an antenna is hung outside at a good height, this would not be a good approach. But mounted inside, inserting or removing shorting wire sets is an easy matter -- grab a chair and do it!

The feed line was short since the rig was located virtually under the feedpoint of somewhere close.

Now, a shortened antenna (up to around 30%) will be about as efficient as a fullsized one -- provided you can get the power into it efficiently. That's the main reason for shorting out turns and bringing the antenna into ballpark "resonance range". Easier to feed it.

Bear in mind that a slinky is not made from particularly efficient material for an antenna -- a lot of loss resistance. So, the fewer the number of "active" turns (i.e. not shorted out), the less the resistance loss will be.

72 Ade

Date: Thu, 20 Sep 2001 05:21:56 -0400
From: Bill Meara <n2cqr@clix.pt>
To: iflyos@hotmail.com,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [107277] Re: QRP reading
Message-ID: <3.0.6.16.20010920052156.2eef21ac@pop.clix.pt>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

There is a wonderful book out about the development of the transistor. The title is "Crystal Fire." Came out a couple of years ago. Very interesting. Could have used a few more drawings and diagrams, but otherwise very good. Check Amazon.com or e-bay. >

73 de CU2JL (aka N2CQR)

Bill Meara
Sao Miguel Island,
The Azores, Portugal
<http://planeta.clix.pt/n2cqr>

Date: Thu, 20 Sep 2001 03:37:21 -0400
From: "Ed Tanton" <n4xy@att.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Cc: <CW@qth.net>, <RACAL@qth.net>, <EICO@qth.net>, <WINRADIO@qth.net>
Subject: [107278] OT: NIMDA virus MS Service Bulletin MS00-078 URL
Message-ID: <003001c141a7\$16a524b0\$ef0e4d0c@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

You may find information and cure(s) regarding the NIMDA virus for NT 4.0 (IIS 4.0) and WIN 2000 (IIS 5.0) at:

<<http://www.microsoft.com/technet/treeview/default.asp?url=/technet/security/bulletin/ms00-078.asp>>.

73 Ed Tanton N4XY <n4xy@arrl.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Thu, 20 Sep 2001 06:08:50 -0500
From: "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Cc: "'Faithd@tds.net'" <Faithd@tds.net>
Subject: [107279] OT: Diac question
Message-ID: <E90EEF51A894D411963F0006298F2BF701D27A24@PRODMLIN04>
MIME-Version: 1.0
Content-Type: text/plain

QRP-L Folk and Electronic Wizards

I have a small (4A) switching power supply that failed. In checking the components, I found a 15K ohm resistor that was open and I could not get any reading across the trigger diode / diac in either direction on my DVM's diode setting or any other setting for that matter. Thus I presumed that it was also a failed component (it read as open). It also connected to the failed resistor.
Everything else checked as OK.

Found it was an ST Micro DB3 (\$ 0.16) and ordered a few from Mouser. After receiving the new trigger diode, it also tests as open per the DVM. I put the switcher back together (w/ the new diac and resistor) and it works fine but I'm curious how one tests a diac / trigger diode.

These are also referred to as 'switching diodes' in the ARRL handbook. One thought I just had was to at least look for some capacitance across the device (e.g. w/ my AADE LC IIB).

____|<|_____
 |>|

Inquiring minds ...

Tnx, 72 de N9WR, Don C. Faith III

Date: Thu, 20 Sep 2001 06:13:40 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'FaithD@mail01.dnr.state.wi.us'" <FaithD@mail01.dnr.state.wi.us>,
 Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [107280] RE: Diac question
Message-ID: <01C1419B.656775A0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

A diac is a device that doesn't conduct until the voltage across it reaches a certain threshold, then it breaks down and conducts hard.

It's not good for SCRs to gate them on with a gating signal that's too small. This can cause current to concentrate in a small region of the junction, leading to localized heating. A DIAC in series with the gate lead will prevent this by not conducting until the voltage is high enough (a couple of volts, maybe?) to provide a good, solid turn on. It might be used if you are using a sine wave for gating, for example.

BTW--checking continuity with a meter is a good simple check, but it doesn't always work with solid state devices. And don't assume that a DVM with a 9 volt battery in it puts out 9 Volts in the resistance mode.

Maybe, maybe not. Maybe not even enough to forward bias a simple silicon diode.

Oh, you asked how to test. I'd say put a variable supply in series with the DIAC and a resistor, DVM across the DIAC, and run the voltage up.

Verify that the voltage across the DIAC increases until its breakdown voltage is reached, that plateaus out.

72--Nick, WA5BDU

Date: Thu, 20 Sep 2001 08:08:59 -0400
From: Pete Burbank <plburbank@kih.net>
To: FaithD@mail01.dnr.state.wi.us,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [107281] Re: OT: Diac question
Message-ID: <5.0.2.1.0.20010920075853.00a95890@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 06:08 AM 9/20/2001 -0500, Faith III, Don C wrote:

>QRP-L Folk and Electronic Wizards

>

>I have a small (4A) switching power supply that failed. In checking the
>components, I found a 15K ohm resistor that was open and I could not get any
>reading across the trigger diode / diac in either direction on my DVM's
>diode setting or any other setting for that matter. Thus I presumed
>that it was also a failed component (it read as open). It also connected to
>the failed resistor.

>Everything else checked as OK.

>
>Found it was an ST Micro DB3 (\$ 0.16) and ordered a few from Mouser. After
>receiving the new trigger diode, it also tests as open per the DVM. I put
>the switcher back together (w/ the new diac and resistor) and it works fine
>but I'm curious how one tests a diac / trigger diode.
>
>These are also referred to as 'switching diodes' in the ARRL handbook. One
>thought I just had was to at least look for some capacitance across the
>device (e.g. w/ my AADE LC IIB).
>
>
>____|<|_____
> |>|
>
>Inquiring minds ...
>
>Tnx, 72 de N9WR, Don C. Faith III
Don,
I have an old GE "Hobby Manual" close at hand and it discusses diacs.
The GE-x-13 had a breakover voltage of 35 volts. One way you could test
one would be to read the voltage across a series resistor as you eased the
voltage
up with a variac.
73 Pete NV4V

Date: Thu, 20 Sep 2001 08:25:20 -0400
From: Tim O'Rourke <TO'Rourke@KaiserFT.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [107282] 10 Meters is Hot
Message-ID: <910D8E9955E3D411B3AE00A0C9319CB80C6418@MAIL>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Check out 10 Meters, it has been open last few days. Bagged S.Korea QRP on
first call.
72 Tim KG4CHX.

Date: Thu, 20 Sep 2001 08:29:00 -0400
From: Chuck Ludinsky <cjl@mitre.org>
To: neqrp@jonal.net, qrp-l@lehigh.edu
Subject: [107283] NEQRP CW Net, 20 September 01, 8:00 PM EDT, 3.565MHz [NOTE TIME]
Message-ID: <3BA9E10B.577C157A@mitre.org>

MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: quoted-printable

The New England QRP Club's WQ1RP CW net meets again Thursday night, 20 September 2001, at 8:00 PM EDT (0000Z, 21 September 01) on or near 3.565 MHz. Net control operator for this week's 80M session will be John, WB1HBE, operating from Chelmsford, MA.

PLEASE NOTE TIME CHANGE FOR THIS WEEK ONLY TO 8:00PM. The net will start a half hour earlier than usual and end before the beginning of the president's speech.

Net control operator for last week's net was Dennis, K1LGQ, operating from Brookline, NH. Dennis reported:

"The Thursday night check-in was marginal, I suspect because of the New York City tragedy.

AB8DF Ed in Michigan was the first to check in, followed by KA3WMJ Ken in PA. The conditions were VERY lousy and the QRN was extremely high. I believe there was a lot of electrical disturbances in the air from nearby storms. I am sure, also, there would have been many more check-ins, however, the hi-jacking of the planes from Boston and the countless thousands of people who died in the Trade Center Buildings were on many minds, including mine and the net was cut short.

Let=92s hope for better days. God Bless America and all who share it=92s freedom."

72 DE K1CL,
Chuck.

Date: Thu, 20 Sep 2001 09:00:20 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <FaithD@mail01.dnr.state.wi.us>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [107284] Re: Diac question
Message-ID: <005101c141d4\$3b216100\$6b01a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Man, I haven't done anything that might remotely be considered as

this kind of circuit for years, but if I remember correctly, you can think of a DIAC as two ZENERS point to point. But I think that wants they turn on, they have some hysteresis in that they conduct until the waveform crosses back to zero. Almost like a bi-directional SCR with a zener threshold point.

I hope that makes sense. I hope even more that it's right!

Mike

----- Original Message -----

From: Faith III, Don C <FaithD@mail01.dnr.state.wi.us>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Thursday, September 20, 2001 7:08 AM

Subject: OT: Diac question

> QRP-L Folk and Electronic Wizards

>

> I have a small (4A) switching power supply that failed. In checking the

> components, I found a 15K ohm resistor that was open and I could not get any

> reading across the trigger diode / diac in either direction on my DVM's

> diode setting or any other setting for that matter. Thus I presumed

> that it was also a failed component (it read as open). It also connected to

> the failed resistor.

> Everything else checked as OK.

>

> Found it was an ST Micro DB3 (\$ 0.16) and ordered a few from Mouser. After

> receiving the new trigger diode, it also tests as open per the DVM. I put

> the switcher back together (w/ the new diac and resistor) and it works fine

> but I'm curious how one tests a diac / trigger diode.

>

> These are also referred to as 'switching diodes' in the ARRL handbook. One

> thought I just had was to at least look for some capacitance across the

> device (e.g. w/ my AADE LC IIB).

>

>

> ----|<|-----

> |>|

>
> Inquiring minds ...
>
> Tnx, 72 de N9WR, Don C. Faith III
>

Date: Thu, 20 Sep 2001 13:34:04 +0000
From: "Tom Dufresne" <tdufres@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [107285] HMBRW RCVR help
Message-ID: <F38zAJ95sZKxt8zPdqJ000087a9@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I am building my way through radio receivers. I have just started building basic direct conversion receivers. I chose to build the Neophyte receiver featured in QST a few years back.

Here is a reference: <http://www.arrl.org/tis/info/pdf/28814.pdf>

Problem: I checked the rig before I fired it up, everything looked ok. When I turned her on, got that nasty low frequency "buzzing" that sounds like an amp is being overdriven.

I was distraught, to say the least. Here's the weird part... When I touched the 386 op amp with my finger, it goes away! In fact, when I hooked a small (< 18") wire antenna, she actually picked up some "holy roller" stations on 40 meter. If I tried to connect my 40 meter dipole via a wire from the center of the coax, the sound came back.

The rig uses a 1K Ohm pot as a RF gain, the wiper is connected to the antenna, high end goes to the mixer/oscillator via the tuning coil, the low end to ground. (I will say here that I did NOT have antenna ground hooked up to a "chassis ground". Do I need that?)

I cannot notice any attenuation when I turn the pot knob, that is, it does get quieter or louder when I turn it.

Ideas?

Tom

KC0GXX

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Thu, 20 Sep 2001 08:38:48 -0500
From: Michael Melland <w9wis@charter.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [107286] W2DU Bead BALUN - Toroids ?
Message-ID: <NEBBLKAGEKBNGELOFFCAGEPGCOAA.w9wis@charter.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Anyone familiar with the bead BALUN's in the Antenna Book and have a good working knowledge of Toroids ? I picked up a bunch of new Micrometals Toroids (<http://www.micrometals.com>) for .20 each. They are Micrometals T94-8/90 (material 8) and were originally intended for use in switching power supplies. I know they aren't ferrite like those used in the original W2DU BALUN but I'm thinking of using them for a bead BALUN on RG-213 type coax as they'd fit. Micrometals sent me an email reply to a question of applicability for that purpose and said that they "should" work for this purpose and suggested using 10 to 12 of them. Any comments ??

Regards,

Mike

--
Michael Melland, W9WIS
QRP-L #1656 QRPARCI #9875
SOC #142 FPQRP #244 IPARC #252
EN54pc Winnebago Cty, Wisc.

Date: Wed, 19 Sep 2001 21:09:26 -0600
From: Ron KU7Y <msswmod@bigplanet.com>
To: iflyos@hotmail.com,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [107287] Re: QRP reading
Message-ID: <000301c141dc\$59884d40\$1056bad0@oemcomputer>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7bit

Hi Tim and All,

Don't forget to have what I consider the Bible of amateur radio..... The ARRL Handbook. It's a must have and read for all.

Ron, KU7Y & Carol Stark
Full Time RVing somewhere in the West.
Currently back in Boise, ID.

Date: Thu, 20 Sep 2001 10:04:27 -0700
From: "Glen Leinweber" <leinwebe@mcmaster.ca>
To: <tdufres@hotmail.com>
Cc: <QRP-L@Lehigh.edu>
Subject: [107288] Re: HMBRW RCVR help
Message-ID: <001d01c141f6\$4ec3ce60\$07ea7182@mcmaster.ca>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Tom,

 The finger trick on the LM386 would indicate that this chip may be oscillating at a super-sonic frequency.

 I hope you've got an RF-type bypass capacitor between the LM386 DC power input pin - to - LM386 ground pin. The value should be about 0.1uf, and adding another much larger electrolytic (like 10uf) capacitor in parallel is a good idea too.

 You might also try listening to your receiver with high impedance headphones. If the audio sounds at all different, you may have groundloop feedback problems.

 This can be a nasty problem to solve, since speaker current is SO MUCH larger than audio amplifier input current. If ANY speaker current gets into the audio input stages, you can easily end up with oscillations.

 This kind of problem is often solved by carefully routing DC power directly to the LM386 chip, and power supply ground directly to the ground pin of the LM386. The speaker ground should also be connected to this same spot.

 Since audio amp gain in a direct-conversion receiver is SO high, this feedback problem is endemic to this kind of design - many folks have a problem overcoming it.

----- Original Message -----

From: "Tom Dufresne" <tdufres@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, September 20, 2001 6:34 AM

Subject: HMBRW RCVR help

> I am building my way through radio receivers. I have just started building
> basic direct conversion receivers. I chose to build the Neophyte receiver
> featured in QST a few years back.
>
> Here is a reference: <http://www.arrl.org/tis/info/pdf/28814.pdf>
>
> Problem: I checked the rig before I fired it up, everything looked ok.
When
> I turned her on, got that nasty low frequency "buzzing" that sounds like
an
> amp is being overdriven.
> I was distraught, to say the least. Here's the weird part... When I
touched
> the 386 op amp with my finger, it goes away! In fact, when I hooked a
small
> (< 18") wire antenna, she actually picked up some "holy roller" stations
on
> 40 meter. If I tried to connect my 40 meter dipole via a wire from the
> center of the coax, the sound came back.
>
> The rig uses a 1K Ohm pot as a RF gain, the wiper is connected to the
> antenna, high end goes to the mixer/oscillator via the tuning coil, the
low
> end to ground. (I will say here that I did NOT have antenna ground hooked
up
> to a "chassis ground". Do I need that?)
>
> I cannot notice any attenuation when I turn the pot knob, that is, it does
> get quieter or louder when I turn it.
> Ideas?
> Tom
> KCOGXX
>
>
>

> Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>
>

Date: Thu, 20 Sep 2001 09:39:46 -0500
From: "Jim" <sunwatt@starband.net>
To: <qrpp@yahoogroups.com>, "QRP-L" <qrp-L@Lehigh.edu>
Subject: [107289] Re: Contest tips: Was 2001 ARRL CW DX results (Oct QST)

Message-ID: <007101c141e2\$220a4fc0\$d25a3f94@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wow guys! I'm gunna copy n paste all these ideas in the last 2 QRP-L's to a Word document and save it for study. When I asked to go to school on QRP contesting I had no idea so many would respond with so many interesting ideas.

After reading the Contester of the Quarter, K7RE in the July ARCI QRP Quarterly I saw several more great ideas. If you dont have this issue, shame on you <G> get a back issue, and read this article several times, and take notes.

If I have time I will put notes from this article in the Word doc, and make it available to anyone for the asking. Or maybe post it on a webpage at my site.

We've got some great QRP testers here, and they all seem to like to share their secrets!

Can it get any better?

I wonder if Bob P. N4BP has done any writeing on this subject?

72's & tnx!!!
de Jim KJ5TF
"All Milliwatts, All The Time"
<http://sunwatt.mystarband.net/>

Date: Thu, 20 Sep 2001 12:28:07 -0400
From: "Craig A. Ferris" <cferris@aeronix.com>
To: qrp-l@Lehigh.EDU
Subject: [107290] wanted: C connectors
Message-ID: <3BAA1917.599AC246@aeronix.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Looking for a couple of male C connectors for rg 58, or a couple of adapters from male C to female BNC or UHF.

72,

Craig NR4E
Melbourne, FL

Date: Thu, 20 Sep 2001 09:55:21 -0700
From: Allan Taylor <taylor3@llnl.gov>
To: qrp-1@Lehigh.EDU
Subject: [107291] Re: FS: QRP items
Message-ID: <3BAA1F79.2D63AA71@llnl.gov>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The QRP items for sale event has now ended. Many folks out there got some great bargains and I will soon be able to get that rotator base for the tubular tower.

Best wishes to all and see me on any CW band under either K7GT or K6TTX.

If anyone knows of a lead on a Tentec Hercules II amp, I would really be appreciative of the information.

Allan

Date: Thu, 20 Sep 2001 17:34:56 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: tdufres@hotmail.com, qrp-1@Lehigh.EDU
Subject: [107292] Re: HMBRW RCVR help
Message-ID: <F51LS06YwVDo3w9XBv700001ed7@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Tom Dufresne" <tdufres@hotmail.com>
>Reply-To: tdufres@hotmail.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: HMBRW RCVR help

>Date: Thu, 20 Sep 2001 13:34:04 +0000

>

>I am building my way through radio receivers. I have just started building
>basic direct conversion receivers. I chose to build the Neophyte receiver
>featured in QST a few years back.

>

>Here is a reference: <http://www.arrl.org/tis/info/pdf/28814.pdf>

>

>Problem: I checked the rig before I fired it up, everything looked ok. When
>I turned her on, got that nasty low frequency "buzzing" that sounds like an
>amp is being overdriven.

>I was distraught, to say the least. Here's the weird part... When I touched
>the 386 op amp with my finger, it goes away! In fact, when I hooked a small
>(< 18") wire antenna, she actually picked up some "holy roller" stations on
>40 meter. If I tried to connect my 40 meter dipole via a wire from the
>center of the coax, the sound came back.

>

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>antenna, high end goes to the mixer/oscillator via the tuning coil, the low
>end to ground. (I will say here that I did NOT have antenna ground hooked
>up

>to a "chassis ground". Do I need that?)

>

>I cannot notice any attenuation when I turn the pot knob, that is, it does
>get quieter or louder when I turn it.

>Ideas?

>

You've probably got some feedback round the output amp. Try disconnecting
the input to the volume control, so that the output stage is isolated, and
put a 100nF capacitor directly across the 386 pins. When you get the output
stage working properly, connect up the previous stage and see if it works.

Have you got the Zobel network (series R and C across the output) connected?
Missing that off can cause instability with high output levels.

It's always a good idea to build an Rx starting from the output stage, and
testing as you go.

The LM386 is a crummy amp. by today's standards, there are *much* better
ones around that are a lot easier to use.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

My low-cost Altera Flex design kit: <http://www.leonheller.com>

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Wed, 19 Sep 2001 07:14:34 -0400
From: "Mark J. Dulcey" <mark@buttery.org>
To: jacksonharbor@att.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [107293] Re: Vitamin Q capacitors ??
Message-ID: <3BA87E1A.8010605@buttery.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

jacksonharbor@att.net wrote:

> Hello -
>
> I looked up the passive audio filter QST article cited
> by John, W2XS. It was from November 1977.
>
> In the article, the author, Frank, W3MT, mentions that
> he used a dual, high quality, surplus, Vitamin Q
> capacitor from Sprague.
>
> What is it that makes a Vitamin Q capacitor unique ?? I
> don't think they are sold any more. Were they Tantalum
> or ??

I thought the Vitamin Q caps were paper. You want a cap that is stable and has low loss, so you want to avoid ceramic caps. Mylar or polystyrene would be good modern substitutes.

Date: Thu, 20 Sep 2001 14:21:38 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [107294] Inverted-L
Message-ID: <95.10a3ab1c.28db8db2@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

In reviewing articles on Inverted-L antennas I was surprised to see the distinct advantages of such an antenna by providing both high and low lobes, smoother pattern with less nulls, and fairly high efficiency as a multiband antenna.

The article is set up as an 80m 1/2wl. I ran some calculations on Reg's site using ENDFEED and found the values for R and jX to be almost identical. Running the ENDFEED program for a 40m version I find the efficiencies and impedance values to be well within acceptable limits (actually outstanding).

You folks looking for a multiband antenna fixed or portable you may want to investigate the Inverted-L.

<http://www.cebik.com/gup25.html>

<http://www.btinternet.com/~g4fgq.regp/page3.html#S301>

Also Mr Cebik points out another distinct advantage in that the radial or counterpoise system is not critical to operation

Hope this is some value for some of you. Note this works equally well for the 20ft fishing pole with 20 x20 ft legs

Alan KB7MBI in Woodinville, WA

Date: Thu, 20 Sep 2001 15:14:08 -0400

From: "Ed Tanton" <n4xy@att.net>

To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>

Subject: [107295] OT: Summary of cpu OS crashes... The answers

Message-ID: <000301c14208\$6cf5bc60\$5c0b4d0c@n4xy>

MIME-Version: 1.0

Content-Type: text/plain;
charset="us-ascii"

Content-Transfer-Encoding: 7bit

Hello folks... I have now been up and running for a week or two now, with 100% stability. The bottom line is that my 2nd physical drive, a nearly new (June 2000) IBM Deskstar 45GB drive, somehow caused the whole affair. How it trashed the OS and partitioning on my 1st physical drive is beyond me to this day-but when my 2nd crash occurred, the drive stayed down-refusing to read or write. It did click nicely though.

My plight was further complicated by the fact that the new ASUS K7V133 (I think it was) simply will not work with WIN 2000 Pro-my OS of

choice-ASUS customer svc to the contrary. After a 3rd week of not being able to persuade my CD drives to install WIN 2000 Pro, I (finally: I had literally tried every combination of PIO and UDMA settings possible) took the unit to my motherboard dealer's and WIN 98 installed instantly and effortlessly. Ran perfectly. Returned the ASUS and bought an ABIT KT-7. WIN 2000 Pro was up and running 30 mins later.

The problem with the ASUS was that it's built-in RAID hardware chips do not presently have drivers that work with WIN 2000 Pro. Seems odd to me, because if you're interested in RAID, you're probably running either NT-4 or WIN 2000 on (at least) your server. I did not try the ASUS with NT-4 (or LINUX.)

The net of all this is a new ABIT motherboard; a 1.4GHz AMD Athlon K7 Thunderbird; 768MB 133MHz RAM (only 1 new stick); a Creative PCI-512 SoundBlaster (the original ASUS had a Yamaha built-in); and a PC Power & Cooling 350W PS. This, combined with the two CD drives and the Creative GeForce II Nvidia video card w/32MB I already had, and an IBM Deskstar 26GB & 80GB ATA-100 Diamond-Max HDD, now make up the new system. I'm not at all fond of Maxtor, but that was the only large drive (I needed at least 60GB) available locally at 8:30PM on the night after the crash when I realized that the recovery software we had purchased needed to have a drive to dump to.

I have also added an interesting little inexpensive (\$30) card that easily and quickly provided up to 4 extra HDD drives-this for my LS120 'floptical'... And would support RAID as well (so much for ASUS's driver-programmers!!!) Everything is running quite well, and it sure is quick! I had to contact many of my software companies to renew my Registry of their serial numbers, etc. and now have paper copies of all of them. And so much for the paperless society.

P.S. I need another 'list' of those who wanted the small T0-92 triacs and anything else I should have sent-went down the tubes with the 2nd crash.

73 Ed Tanton N4XY <n4xy@arrl.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Thu, 20 Sep 2001 16:03:13 -0400
From: "Charles Mabbott" <crmabbott@mediaone.net>
To: "QRP-Post" <qrp-1@Lehigh.EDU>
Subject: [107296] PSK 31 question
Message-ID: <GAECLOGOMILPLBGKKPEGOECBCNAA.crmabbott@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Have a friend of mine who said when he is running PSK31
that he cannot run full power. Must dial the rig back to
10 watts or less.

If he runs full power is burns up rig. Not sure what
PSK device he is using

Rig and antenna system work fine without PSK in between.
Any ideas? I will pass information along to him.
Thanks in advance,

=====
Chuck Mabbott
AA8VS
42 19' 52" N 83 28' 32" W
Grid Square EN82gh
Home Page: <http://aa8vs.dhs.org:81/aa8vs>
FP-113 MI-QRP#1212 Firebirds #2117 SOC #445

Date: Thu, 20 Sep 2001 16:07:40 -0400
From: Ken Newman <N2CQ@dandy.net>
To: epaqrp-1@Lehigh.EDU, QRP-L@Lehigh.EDU, njqrp@njqrp.org,
 n9avg@amsat.org
Subject: [107297] [CONTEST] QRP Contest Calendar - Sep 22/30
Message-ID: <3.0.6.32.20010920160740.008df900@mail.dandy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

~~~~~

## QRP CONTEST CALENDAR

September 22-30, 2001

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Scandinavian Activity Contest (SSB) ... QRP Category

Sep 22 - 1200z to Sep 23 - 1200z

Rules: <http://www.sk3bg.se/contest/sacnsc.htm>

~~~~~  
Fall QRP Homebrewer Sprint (CW/PSK31) \*\*\*QRP CONTEST\*\*\*

Sep 24 - 0000z to 0400z (Sunday evening in US/Canada)

Rules: <http://www.njqrp.org/data/qrphomebrewersprint.html>

~~~~~  
CQWW RTTY DX Contest ... QRP QRM

Sep 29 - 0000z to Sep 30 - 2400z

Rules: <http://www.rttyjournal.com/rules/cqww.html>

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QRP ARCI Fall QSO Party (CW) \*\*\* QRP Contest \*\*\*

Sep 29 - 1200z to Sep 30 - 2400z

Rules: <http://personal.palouse.net/rfoltz/arci/fall.htm>

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Texas QSO Party (All) ... QRP Category

Sep 29 - 1400z to Sep 30 - 0200z

Sep 30 - 1400z to Sep 30 - 2000z

Rules: <http://www.k5vuu.com/tqp/>

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Louisiana QSO Party (CW/PH) ... QRP Category

Sep 29 - 1400z to Sep 30 - 0200z  
Sep 30 - 1400z to Sep 30 - 2000z

Rules: <http://www.tchams.org/users/contest/laqp/>

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Alabama Heart of Dixie QSO Party (CW/SSB) ... QRP Category

Sept 29 - 1800z to 2400z

Rules: <http://web.dbtech.net/~dxcc/rules1.htm>

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Anyone may use this "QRP Contest Calendar" for your website, newsletter,  
e-mail list or other media as you choose.  
(Include a credit to the source of this material of course.)

72 de  
Ken Newman - N2CQ

N2CQ@ARRL.NET           <http://www.NJQRP.org>  
                          <http://www.N3EPA.org>  
                          <http://www.qs1.net/cqrp/contests.html>

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Date: Thu, 20 Sep 2001 22:53:49 +0200  
From: Max Baars <m.baars@maxiespages.com>  
To: qrp-1@Lehigh.EDU  
Subject: [107298] Re: PSK 31 question  
Message-ID: <qk1kqtoi75c2p1in5b26rc836pcbu24ga3@4ax.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable

On Thu, 20 Sep 2001 16:03:13 -0400, you wrote:

>Have a friend of mine who said when he is running PSK31  
>that he cannot run full power. Must dial the rig back to  
>10 watts or less.  
>



>If he runs full power is burns up rig. Not sure what  
>PSK device he is using  
>  
>Rig and antenna system work fine without PSK in between.  
>Any ideas? I will pass information along to him.  
>Thanks in advance,

Hmm,=20

Seems like his rig has too little cooling surface.  
The average power is much higher compared to voice or cw comms.  
Just like sstv or rtty. I don't think it's a specific PSK31 problem.

73

/s/

Max PA3GEC

www.maxiespages.com

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Date: Wed, 19 Sep 2001 23:46:38 -0400  
From: "ZOOM" <kandrparker@sympatico.ca>  
To: <crmabbott@mediaone.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [107299] Re: PSK 31 question  
Message-ID: <004101c1421b\$bfd76880\$99a4fea9@robparke>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

First my question is why would he ever want to run full power on psk? This is a mode where just a few watts gets you a long ways! That being said, perhaps he has RF coming into his rig and therefore creating a pos FB condition and therefore overdriving the rig! This would be most prominent on higher power settings and can be due to poor shielding of the PSK interface. The other thing is maybe he is sendint too big a psk signal into the mic input and therefore overdriving. I suggest you have a psk contact with him and watch the waterfall at low then high power. If it's splattering then he is overdriving!

hope this helps

Robert  
VE3RPF

----- Original Message -----

From: "Charles Mabbott" <crmabbott@mediaone.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, September 20, 2001 4:03 PM  
Subject: PSK 31 question

> Have a friend of mine who said when he is running PSK31  
> that he cannot run full power. Must dial the rig back to  
> 10 watts or less.  
>  
> If he runs full power it burns up rig. Not sure what  
> PSK device he is using  
>  
> Rig and antenna system work fine without PSK in between.  
> Any ideas? I will pass information along to him.  
> Thanks in advance,  
>  
> =====  
> Chuck Mabbott  
> AA8VS  
> 42 19' 52" N 83 28' 32" W  
> Grid Square EN82gh  
> Home Page: <http://aa8vs.dhs.org:81/aa8vs>  
> FP-113 MI-QRP#1212 Firebirds #2117 SOC #445

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Date: Thu, 20 Sep 2001 17:49:20 -0400 (EDT)  
From: KENNETH ROBERT MCGUIRE <at902@tcnet.org>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [107300] HTX-202 problem  
Message-ID: <Pine.LNX.4.21.0109201742560.27979-1000000@hendryx.tcnet.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

This might be pushing what is considered on topic, but...

I have a Radio Shack HTX-202 - unfortunately it has a on and off again problem. The Audio level is extremely low... Clicks from turning it on and the like are full volume, so I think that the problem is NOT in the AF finals. It has the same problem with the internal speaker as with an external speaker mic...

It was like this for a while, and I wasn't pleased, but didn't do anything. Then it suddenly worked fine again, so I ordered a nicad pack instead of always running it off of AA's. Now it doesn't work...

Anyone have any bright ideas?

Ken McGuire  
KC8LTL in EN74cp  
at902@tcnet.org

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Date: Thu, 20 Sep 2001 18:08:07 -0400  
From: "Kevin M." <adverseyaw@twmi.rr.com>  
To: <qrp-l@Lehigh.EDU>  
Subject: [107301] Re: HTX-202 problem  
Message-ID: <001a01c14220\$bc8c69f0\$1a751d41@magnus>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ken,

Did you try to clean the volume pot? I use electrical contact cleaner from a hardware store. Be sure to get the no residue kind.

Hope this helps.

Kevin.

----- Original Message -----

From: "KENNETH ROBERT MCGUIRE" <at902@tcnet.org>  
To: "Low Power Amateur Radio Discussion" <>  
Sent: Thursday, September 20, 2001 5:49 PM  
Subject: HTX-202 problem

> This might be pushing what is considered on topic, but...

>

> I have a Radio Shack HTX-202 - unfortunately it has a on and off again  
> problem. The Audio level is extreamly low... Clicks from turning it on  
> and the like are full volume, so I think that the problem is NOT in the AF  
> finals. It has the same problem with the internal speaker as with an  
> external speaker mic...

>

> It was like this for a while, and I wasn't pleased, but didn't do  
> anything. Then is suddenly worked fine again, so I ordered a nicad pack  
> instead of always running it off of AA's. Now it doesn't work...

>

> Anyone have any bright ideas?

>

> Ken McGuire  
> KC8LTL in EN74cp  
> at902@tcnet.org

>

>

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Date: Thu, 20 Sep 2001 18:42:31 -0400  
From: "Anthony A. Luscre" <aluscre@neo.rr.com>  
To: qrp-l@Lehigh.EDU, cq-contest@contesting.com  
Subject: [107302] WTB/Trade HF2v  
Message-ID: <200109202240.f8KMe9p09597@clmboh1-smtp3.columbus.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I would like to buy a Butternut HF2V Antenna would prefer one 160 meter  
add on. Will buy or can  
trade HF6V

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|-----|  
| Anthony A. Luscre  
| K8ZT  
| Stow, Ohio  
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End of QRP-L Digest 2318

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